date: 040625
STAR Trigger Tasks: July 2004

1. FPD

    (a) get AC power to East
    (b) troubleshoot FPD west (fw009/10 − >fw102)
    (c) find problem with pedestals on East
    (d) troubleshoot FPD east sync problem
    (e) Redo FPE and FPW cabling so cables are no longer dragging on the floor.

2. Scalers

    (a) replace short cables to allow board removal
    (b) fix board 5 inputs
    (c) revisit documentation

3. BEMC

    (a) investigate bad cable and stuck bits on Bemc east layer 1− > 2 dsms (BE101)
    (b) Install missing cables in BEMC system internal to the DSM tree.
    (c) install remaining header cables into TDSMIs

4. Platform General

    (a) install mik boxes on east and west side of platform
    (b) get broken fibers on platform repaired
    (c) get pmd fibers to platform routed thru new mik box
    (d) get fpd east and west fibered to platform for concentrator
    (e) document platform fiber usage and get additionals if necessary

5. TCD-Related Stuff

    (a) (prog - 040520 - JE tested new device) install new tcd with robo clock and test

    (b) Find and fix problems with TCU-TCD-Detector interface that leads to errors of various types when running from the TCU but not when running from any TCD in stand-alone mode.

    (c) Find and fix problem with SVT and SSD not working properly when they are both together in a run - try with just TCDs first.

6. DSM-Tree-Related Stuff

    (a) revisit problem of DSM VME64 data corruption on board addr lines

    (b) Find and fix problem with DMA transfer and Tonkos fast library. If this is successful, change the DSM test code to use the same DMA routines that are used in the real code.

    (c) Find out why the clock registers are not being set and read correctly (EJ/JN on VHDL.

7. TCU-Related Stuff

    (a) Update TCU1 to get the final GDX 12:8 programming and the final PROMs.

8. Myrinet-Related Stuff

    (a) make myrinet GM2 speed test

    (b) get myrinet monitors connected to ethernet

9. L2-Related Stuff

    (a) (done - 040624 JE) fix fans on l2ana01

    (b) (done - 040625 JE) move l2 CPUs to new rack

    (c) outfit l2ana01 and l2ana02 with rails

    (d) (done - 040624 JE) install UPS for L2 farm

10. general

    (a) retrofit new J1/Jaux/J2 backplanes in labs